

Title (en)

DEVICES AND METHODS FOR NETWORK ASSISTED MIMO RECEIVER ANTENNA PORT SWITCHING

Title (de)

VORRICHTUNGEN UND VERFAHREN ZUR NETZWERKUNTERSTÜTZTEN MIMO-EMPFÄNGERANTENNENANSCHLUSSUMSCHALTUNG

Title (fr)

DISPOSITIFS ET PROCÉDÉS POUR COMMUTATION DE PORT D'ANTENNE DE RÉCEPTEUR MIMO ASSISTÉE PAR RÉSEAU

Publication

EP 3281352 A1 20180214 (EN)

Application

EP 16777075 A 20160331

Priority

- US 201562145153 P 20150409
- US 2016025217 W 20160331

Abstract (en)

[origin: WO2016164246A1] Embodiments are related to systems, methods, and computer-readable media to configure a User Equipment (UE) device for full receive antenna port operating mode or partial receive antenna port operating mode. In one embodiment a UE comprises control circuitry configured to manage receipt of a network command signal from an evolved Node B (eNB). The command signal instructs the UE to switch between a full port operating mode and a partial port operating mode for a plurality of antenna ports. It also instructs the UE to adjust power for at least a part of a Multiple-Input Multiple-Output (MIMO) receiver such that in the full port operating mode the MIMO receiver is configured to actively receive on all of the antenna ports and in the partial port operating mode the MIMO receiver is configured to actively receive on a portion of the antenna ports.

IPC 8 full level

H04L 5/00 (2006.01); **G06F 17/14** (2006.01); **H03M 1/12** (2006.01); **H04L 1/18** (2006.01); **H04L 27/26** (2006.01)

CPC (source: EP)

H04B 7/04 (2013.01); **H04B 7/0417** (2013.01); **H04B 7/0877** (2013.01); **H04L 5/0023** (2013.01); **H04L 27/26** (2013.01); **H04L 1/1829** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016164246 A1 20161013; EP 3281352 A1 20180214; EP 3281352 A4 20181114

DOCDB simple family (application)

US 2016025217 W 20160331; EP 16777075 A 20160331